| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|----------|-------|--|---|---------------------|---------|------------------|
| L1 | 28 | (piezoelectric adj constant) NEAR (measuring or calculating) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/24 11:45 |
| L2 | 353 | (piezoelectric adj constant) and voltage and (measuring or calculating) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/24 11:45 |
| L3 | 41 | (piezoelectric adj constant) NEAR3 (measuring or calculating) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/24 11:50 |
| L4 | 30 | ((piezoelectric adj constant) NEAR3 (measuring or calculating)) and voltage | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/24 11:56 |
| L5 | 1 | ((piezoelectric adj coefficient) NEAR3 (measuring or calculating)) and voltage | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/24 12:05 |
| L6 | 2 | ((electromechanical adj2 coefficient) NEAR3 (measuring or calculating)) and voltage | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/24 12:05 |
| L7 . | 11113 | (piezoelectric adj2 material) and voltage | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/24 12:05 |
| L8 | 8722 | (piezoelectric adj2 material) and voltage and (warp\$ or deform\$ or bend\$ or shape\$2) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/24 12:06 |
| L9 | 47 | ((piezoelectric adj2 material) NEAR (test\$3 or measur\$3)) and voltage and (warp\$ or deform\$ or bend\$ or shape\$2) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/24 12:10 |

| L10 | 11 | ((piezoelectric adj2 material) NEAR (test\$3 or measur\$3)) and ((appl\$5 or impart\$3 or impress\$3) NEAR1 voltage) and (warp\$ or deform\$ or bend\$ or shape\$2) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/24 12:15 |
|-----|------|---|--|----|----|------------------|
| L11 | 56 | ((piezoelectric adj2 (ceramic or material)) NEAR (test\$3 or measur\$3)) and voltage and (warp\$ or deform\$ or bend\$ or shape\$2) | US ² PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/24 12:24 |
| L12 | 1422 | (piezoelectric adj2 (ceramic or material or device)) and (temperature NEAR (sens\$3 or detect\$3 or measur\$8)) and (test\$3 or measur\$3) and ((voltage or (electric or magnetic or (electromagnetic)) adj field)) and (warp\$ or deform\$ or bend\$ or shape\$2) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/24 12:31 |
| L13 | 1297 | (piezoelectric adj2 (ceramic or material or device)) and (temperature NEAR (sensor or detector or measur\$8)) and (test\$3 or measur\$3) and ((voltage or (electric or magnetic or (electromagnetic)) adj field)) and (warp\$ or deform\$ or bend\$ or shape\$2) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/24 12:28 |
| L14 | 150 | (piezoelectric adj2 (ceramic or material or device)) and (temperature NEAR (sens\$3 or detect\$3 or measur\$8)) and (test\$3 or measur\$3) and ((voltage or (electric or magnetic or (electromagnetic)) adj field)) and (warp\$ or deform\$ or bend\$ or shape\$2) and "310"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/24 12:36 |
| L15 | 227 | (piezoelectric adj2 (ceramic or material or device)) and (temperature NEAR (sens\$3 or detect\$3 or measur\$8)) and (test\$3 or measur\$3) and ((voltage or (electric or magnetic or (electromagnetic)) adj field)) and (warp\$ or deform\$ or bend\$ or shape\$2) and "73"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/24 12:36 |

| L16 | 39 | (piezoelectric adj2 (ceramic or material or device)) and (temperature NEAR (sens\$3 or detect\$3 or measur\$8)) and (test\$3 or measur\$3) and ((voltage or (electric or magnetic or (electromagnetic)) adj field)) and (warp\$ or deform\$ or bend\$ or shape\$2) and "374"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/24 12:33 |
|-----|---------|---|---|------|----|------------------|
| L17 | 5 | (piezoelectric adj2 (ceramic or material or device)) and (temperature NEAR (sens\$3 or detect\$3 or measur\$8)) and (test\$3 or measur\$3) and ((voltage or (electric or magnetic or (electromagnetic)) adj field)) and ((measur\$4 or detect\$4) NEAR2 (warp\$ or deform\$ or bend\$ or shape\$2)) and "310"/\$. ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR . | ON | 2005/03/24 12:40 |
| L18 | 34 | (piezoelectric adj2 (ceramic or material or device)) and (temperature NEAR (sens\$3 or detect\$3 or measur\$8)) and (test\$3 or measur\$3) and ((voltage or (electric or magnetic or (electromagnetic)) adj field)) and ((measur\$4 or detect\$4) NEAR2 (warp\$ or deform\$ or bend\$ or shape\$2)) and "73"/\$. ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/24 12:36 |
| L19 | 179 | (piezoelectric adj2 (ceramic or material or device)) and (temperature NEAR (sens\$3 or detect\$3)) and (test\$3 or measur\$3) and ((voltage or (electric or magnetic or (electromagnetic)) adj field)) and (warp\$ or deform\$ or bend\$ or shape\$2) and "73"/\$.ccls. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/24 12:41 |
| L20 | 372 | inverse adj (piezoelectric adj2 effect) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/24 12:41 |
| L21 | 3365232 | (inverse adj (piezoelectric adj2 effect)) and temperature and voltage or field | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/24 12:42 |

| L22 | 194 | (inverse adj (piezoelectric adj2 effect)) and temperature and (voltage or field) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/24 12:43 |
|-----|-----|--|---|----|-----|------------------|
| L23 | 3 | "6597083" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/24 12:43 |
| L24 | 1 | "20010017574".PN. | US-PGPUB | OR | OFF | 2005/03/24 12:43 |
| L25 | 1 | "6522048".PN. | USPAT; USOCR | OR | OFF | 2005/03/24 12:43 |
| L26 | 1 | "6501340".PN. | USPAT; USOCR | OR | OFF | 2005/03/24 12:44 |
| L27 | 1 | "6486743".PN. | USPAT; USOCR | OR | OFF | 2005/03/24 12:44 |
| L28 | 1 | "6437481".PN. | USPAT; USOCR | OR | OFF | 2005/03/24 12:45 |
| L29 | 1 | "6400062".PN. | USPAT; USOCR | OR | OFF | 2005/03/24 12:45 |
| L30 | 1 | "6147434".PN. | USPAT; USOCR | OR | OFF | 2005/03/24 12:49 |
| L31 | 1 | "5365140".PN. | USPAT; USOCR | OR | OFF | 2005/03/24 12:51 |